



# State of Utah

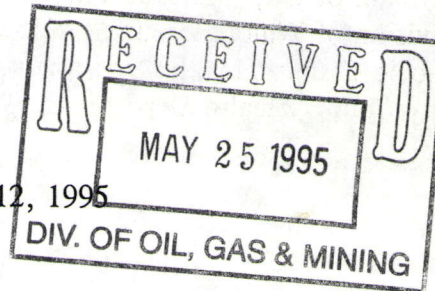
## DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

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May 12, 1995

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Executive Secretary

Mr. Clayton L. Landa  
Vice President & General Manager  
Barrick Mercur Gold Mines  
P.O. Box 838  
Tooele, Utah 84074

RE: Construction Permit - Reservation Canyon  
Tailing Impoundment: 1995 Expansion

Dear Mr. Landa:

We have completed our review of the plans and specifications for the expansion of the Reservation Canyon Tailings Impoundment at Barrick Mercur Gold Mine in Tooele County, prepared by your engineering department, and submitted to us on May 5, 1995.

The plans and specifications as submitted, comply with *the Utah Water Quality Rules, (R317, Utah Administrative Code)*. A **Construction Permit** is hereby issued as constituted by this letter, subject to the following conditions:

1. Any revisions or modifications to the approved plans and specifications must be submitted to the Division of Water Quality (the Division) for review and approval, before construction or implementation thereof.
2. After completion, the approved facilities must be inspected by a representative from this Division.

This construction permit will expire on May 17, 1996, unless substantial progress is made in constructing the approved facilities, or the plans and specifications have been resubmitted and the construction permit is reissued. This permit does not relieve you in any way of your obligations to comply with other applicable local requirements. You may contact Mr. Jeff Coombs, Tooele County Health Department at (801) 882-9241 for further assistance in this regard.



Mr. Clayton L. Landa  
May 12, 1995  
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The construction will include: (1) raising the tailings reservoir structure from the present confinement elevation of 7315 feet to a new confinement elevation of 7330 feet. This would be accomplished by extending the liner from the present elevation of 7320 to an elevation of 7340; (2) Construction of a berm across the east bay for use during final reclamation; and, (3) Construction of a leakage collection system along the toe of the levy. The impoundment liner will be a clay shale liner with a minimum of twelve (12) inches in compacted thickness. The field hydraulic conductivity of the compacted clay liner will be  $1 \times 10^{-7}$  centimeter per second or less. The clay liner will be protected from erosion and desiccation cracking by using four to six inches of unclassified, uncompacted earthen fill, and a woven geotextile, AMOCO 2006 or equivalent. The construction will be as shown on Drawings Nos. 6.95.01 to 6.95.13 and the construction specifications dated April of 1995.

We are retaining a set of approved plans and specifications for our files. Please submit an additional set for an imprint of our construction permit stamp. The stamped set will be returned to you for your file, and must be kept available for examination and inspections to be conducted by the Division, or for resolution of any conflicts or discrepancies that may arise during construction or installation.

Please advise us of the beginning of construction. This will enable us to schedule periodic inspections. We request that a copy of record drawings be provided after the final inspection has been conducted by the Division, and completed works have been placed in service. This will enable us to keep our information accurate.

If we can be of further assistance, please contact Mr. Lyle Stott of my staff.

Sincerely,

Utah Water Quality Board



Don A. Ostler, P.E.  
Executive Secretary

~~Enclosure~~

DAO:LWS:erb

cc: Division of Oil, Gas & Mining, Tom Munsen  
Division of Water Resources, Richard Hall  
Tooele County Health Department, Myron Batman  
City/County Health Department of Utah County, Mr. Dwight Hill

N:BARICK95.CP  
FILE:BARRICK MERCUR